

Product datasheet for **TP510406**

Suz12 (NM_199196) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SUZ12 polycomb repressive complex 2 subunit (Suz12), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210406 representing NM_199196 Red =Cloning site Green =Tags(s)
	<p>MAPQKHGGGGGGSGPSAGSGGGGFGGSAAAASGGKSGGGGCGGGGSYSASSSSAAAAAAGAAGAV LPVKKPKMEHVQADHELFLQAFEKPTQIYRFLRTRNLIAPILHRTLTYMSHRNSRTSIRKRTFKVDDML SKVEKMGGEQESHLSAHLQLTFTGFFHKNDKPSQNSENEQNSVTLEVLLVKVCHKKRDKVSCPIRQVPT GKKQVPLNPDNLNQTKPGNFPVSLAVSSNEFEPNSHMHVKSYSLLFRVTRPGRREFNGMINGETNENIDVSE ELPARRKRNREDGEKTFVAQMTVFDKNRRLQLLDGEYEVAMQEMECPISKKRATWETILDGKRLPPFET FSQGPTLQFTLRWTGETNDKSTAPVAKPLATRNSSELSHQENKPGSVKPAQTIAVKETLTTELQTRKEKDN SNESRQKLRFYQFLYNNNTRQQTEARDDLHCPWCTLNCRKLYSLLKHLKCHSRFIFNYVYHPK GARID VSINECYDGSYAGNPQDIHRQPGFAFSRNGPVKRTPIHILVCRPKRTKASMSEFLESEDEGEVEQQRTYS SGHNRLYFHSDTCLPLRPQEMEVDSEDEKDPWLRKTTITQIEEFSVDVNEGEKEVMKLNHVMKHGFIA DNQMNHACMLFVENYGQKIIKKNLCRNFMLHLVSMHDFNLISIMSIDKAVTKLREMQQKLEKGESATPSN EEIAEEQNGTANGFSETNSKEKALET DGVS GVPKQSKKQKL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	83.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



[View online »](#)

Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_954666
Locus ID:	52615
UniProt ID:	Q80U70
RefSeq Size:	4449
Cytogenetics:	11 47.36 cM
RefSeq ORF:	2223
Synonyms:	2610028O16Rik; AI195385; AU016842; AW536442; D11Ert530; D11Ert530e; mKIAA0160
Summary:	This gene encodes a core component of the polycomb repressive complex 2 (PRC2) that also includes, at least, embryonic ectoderm development protein (EED) and enhancer of zeste homolog 1 or 2 (EZH1 or EZH2). Through the methyltransferase activity of EZH1 or EZH2, the PRC2 complex methylates Lys9 and Lys27 of histone 3 and Lys26 of histone 1, leading to recruitment of the PRC1 complex, histone 2A ubiquitylation and transcriptional repression of the target genes. This gene product is essential for the activity and integrity of the PRC2 complex, and is required for X chromosome inactivation, stem cell maintenance and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]